SUPPLEMENTAL MATERIAL

Prevalence and predictors of cholesterol screening, awareness, and statin treatment among U.S. adults with familial hypercholesterolemia or other forms of severe dyslipidemia (1999-2014) Emily M. Bucholz, MD, PhD, MPH, Angie Mae Rodday, PhD, MS, Katherine Kolor, PhD, MS, Muin Khoury, MD, PhD, Sarah de Ferranti, MD, MPH

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Supplemental Table 1. Comparison of familial hypercholesterolemia sample size depending on approach to adjusting LDL-C levels for use of lipid-lowering-medications

Approach to adjusting LDL-C values for use of lipid-lowering medications	Definite/Probable FH sample size / total population	Weighted percent (%)
Adjusted for self-reported lipid-lowering agent or documented statin use (n=42471)	1007020 / 212438580	0.47% (0.03%)
Adjusted for documented statin use only (n=42471)	740230 / 212438580	0.35% (0.03%)
Adjusted for self-reported lipid lowering agent only (n=42471)	941386 / 212438580	0.44% (0.04%)

Abbreviations: LDL-C, low-density lipoprotein cholesterol.

Supplemental Table 2. Sensitivity analyses limiting sample to patients with non-missing LDL-C values and non-missing personal and family history of early atherosclerotic cardiovascular disease (n=11688)

	Definite/Probable	Severe	General	p-value*	p-value [†]
	FH (n=438688)	Dyslipidemia (n=6772676)	Population (n=212438580)		
Cholesterol checked in last 5 years	91.3 (5.4)	85.8 (1.9)	69.9 (0.7)	0.39	0.014
Previously told had elevated cholesterol	88.7 (6.1)	84.3 (1.9)	38.0 (0.7)	0.53	<0.001
Currently on a documented statin	52.9 (9.7)	37.1 (2.6)	17.0 (0.5)	0.08	<0.001
Self-reported lipid-lowering medication	80.6 (6.7)	55.7 (2.8)	17.2 (0.5)	0.003	<0.001
Documented higher-intensity statin	18.7 (7.1)	13.0 (2.0)	6.7 (0.3)	0.35	0.006
Documented lower -intensity statin	34.2 (8.3)	24.0 (2.5)	10.3 (0.5)	0.18	<0.001

Abbreviations: FH, familial hypercholesterolemia; LDL-C, low-density lipoprotein cholesterol. *p-value for comparison between participants with definite/probable FH and participants with LDL-C ≥190mg/dL.

[†]p-value for comparison between participants with definite/probable FH and the general population.

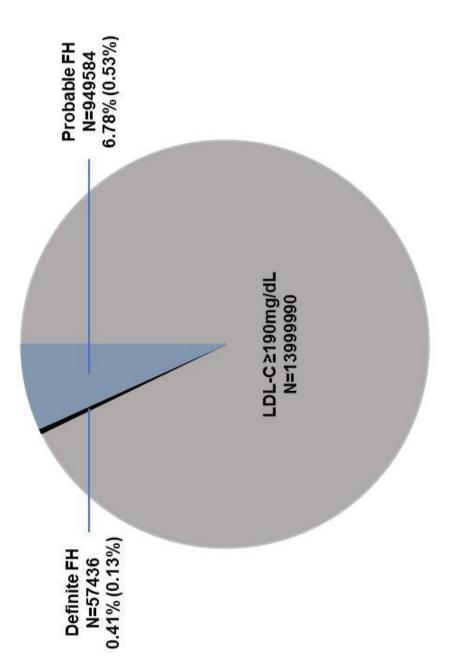
Supplemental Table 3. Sensitivity analyses varying the LDL-C multiplier for statin therapy to reflect low-and high-intensity statin use

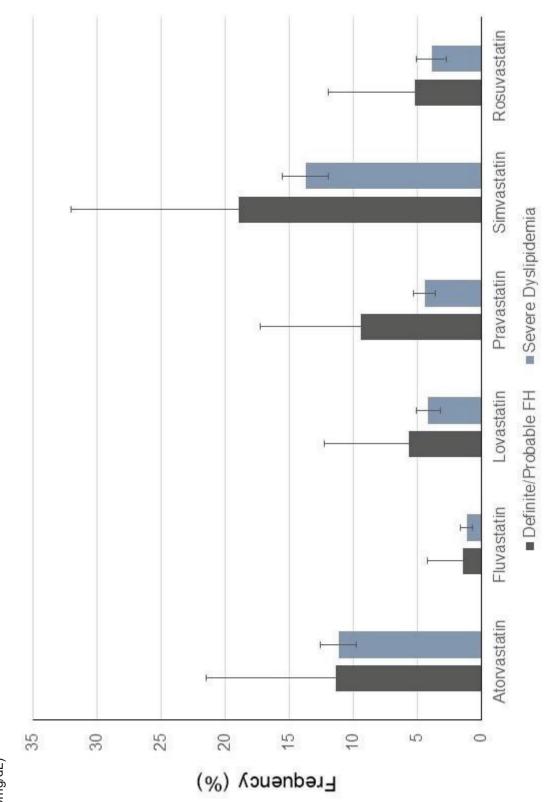
und ingil midnely diam.	Definite/Probable	Severe	General	p-value*	p-value [†]
	FH (1005000)	Dyslipidemia	Population	·	
	(n=1005293)	(n=13436594)	(n=212438580)		
Cholesterol checked in last 5 years	91.3 (2.4)	82.3 (1.1)	66.6 (0.5)	0.006	<0.001
Previously told had elevated cholesterol	94.3 (1.9)	82.0 (1.1)	38.1 (0.4)	<0.001	<0.001
Currently on a documented statin	55.0 (3.8)	35.1 (1.2)	13.8 (0.3)	<0.001	<0.001
Self-reported lipid-lowering medication	79.2 (3.4)	51.2 (1.3)	14.3 (0.3)	<0.001	<0.001
Documented higher-intensity statin	45.2 (4.1)	25.6 (1.2)	5.9 (0.2)	<0.001	<0.001
Documented lower-intensity statin	9.7 (2.5)	9.5 (0.7)	7.9 (0.2)	0.94	0.43

Abbreviations: FH, familial hypercholesterolemia; LDL-C, low-density lipoprotein cholesterol.

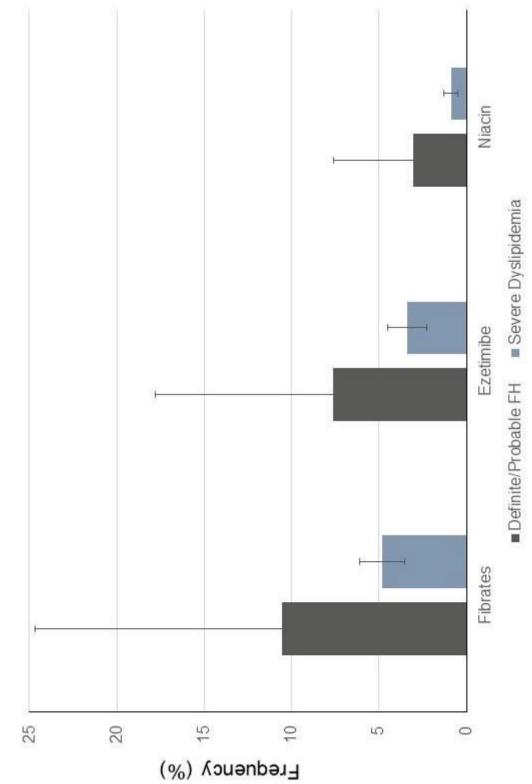
^{*}p-value for comparison between participants with definite/probable FH and participants with LDL-C ≥190mg/dL.

[†] p-value for comparison between participants with definite/probable FH and the general population.





Supplemental Figure 3. Prevalence (95% confidence interval) of other cholesterol-lowering medications among individuals with severel dyslipidemia (adjusted LDL-C ≥190mg/dL)



Supplemental Figure 4. Prevalence of self-reported screening, awareness, documented statin use and self-reported lipid-lowering medication use among U.S. adults with severe dyslipidemia (adjusted LDL-C ≥190mg/dL) stratified by sociodemographic and clinical characteristics

